FIG. 1A

				GAAT	TCTC	TGGA	CTGA	\GGC'	CCAC	TTCI	rGGCC	CTTTC	GGG
TTCAAGA!	TTCAAGATCACTGGGACCAGGCCGTGATCTCTATGCCCGAGTCTCAACCCTCAACTGTC												
ACCCCAA	GGCAC	TTGG	GAC	TCCI	GGAC	CAGAC	CCGAC	STCC	CGGGI	AGCC	CCAC	CACI	GCC

GCTGCCA	CACTO	CCCI	GAGC	CCAA	ATG	GGG?	GTGA	GAG	GCCA	TAG	CTG	TCT	GGC
S1			S5					S10					S15
Mot Clar	Leu	Ser	Thr	Val	Pro	Asp	Leu	Leu	Leu	Pro	Leu	Val	Leu
ATG GGC	CTC	TCC 22	ACC	GTG	CCT	GAC	CTG	24	CTG 13	CCA	25	52	CTC
216		44	.5		20	7-2							
			S20			_	-	S25	<i>(</i> 11	*7-1	*1 ~		1
Leu Glu CTG GAG	Leu	Leu	Val	Gly	Ile	TYT	CCC	TCA	GGG	GTT	ATT	GGA	CTG
261	CIG	27	70	GON	27	79	000	2	88		29	97	
	•	-					10					15	
Val Pro	His	5 Leu	Glv	Asp	Ara	Glu	Lvs	Arg	Asp	Ser	Val	Cvs	Pro
GTC CCT	CAC	CTA	GGG	GAC	AGG	GAG	AĀG	AGA	GAT	AGT	GTG	TGT	CCC
306		31	1.5		32	24		3:	33		34	12	
		20					25					30	
Gln Gly	Lys	Tyr	Ile	His	Pro	Gln	Asn	Asn	Ser	Ile	Cys	Cys	Thr
CAA GGA 351	AAA	TAT 36	ATC	CAC	CCT	CAA 59	AAT	AAT 37	17CG 78	ATT	38	1G1 37	ACC
201		30	,0		50	, ,		•					
_	•	_35	21	-	m	T	40	3.00	X cn	Cvrc	Dro	45 Gly	Pro
Lys Cys AAG TGC	His	Lys	GLA	ACC	TAC	TTG	TAC	AAT	GAC	TGT	CCA	GGC	CCG
396	CAC	40)5		41	L 4		42	23		43	32	
		50					55					60	
Gly Gln	Asp	Thr	Asp	Cys	Arg	Glu	Cys	Glu	Ser	Gly	Ser	Phe	Thr
GGG CAG	GAT	ACG	GAC	TGC	AGG	GAG	TGT	GAG	AGC	GGC	TCC	TTC	ACC
441		45	50		45	59		40	58		47	, ,	
		65					70					75	
Ala Ser	Glu	Asn	His	Leu	Arg	His	Cys	Leu	Ser	Cys	Ser	Lys	Cys
GCT TCA 486	GAA	AAC		CTC	AGA 50)4	TGC	5.1	13	100	52	22	100
700		-	-									00	
	0 7	80	O2	01-	17-1	63	85 Tle	Sor	Ser	Cve	ሞኮተ	90 Val	Asp
Arg Lys	GLU	MET	GCT	CAG	GTG	GAG	ATC	TCT	TCT	TGC	ACA	GTG	GAC
531	~	54	10		54	19		5	58		56	57	

FIG. 1B

95 Arg Asp Thr Val Cys CGG GAC ACC GTG TGT 576 585	Gly Cys Arg Lys GGC TGC AGG AAG 594	Asn Gln Tyr	105 Arg His Tyr CGG CAT TAT 612
Trp Ser Glu Asn Leu TGG AGT GAA AAC CTT 621 630	Phe Gln Cys Phe TTC CAG TGC TTC 639	Asn Cys Ser	120 Leu Cys Leu CTC TGC CTC 657
125 Asn Gly Thr Val His AAT GGG ACC GTG CAC 666 675	130 Leu Ser Cys Gln CTC TCC TGC CAG 684	Glu Lys Gln	135 Asn Thr Val AAC ACC GTG 702
140 Cys Thr Cys His Ala TGC ACC TGC CAT GCA 711 720	145 Gly Phe Phe Leu GGT TTC TTT CTA 729	Ara Glu Asn	150 Glu Cys Val GAG TGT GTC 747
155 Ser Cys Ser Asn Cys TCC TGT AGT AAC TGT 756 765	' AAG AAA AGC CTG	Glu Cys Thr	165 Lys Leu Cys AAG TTG TGC 792
Leu Pro Gln Ile Glu CTA CCC CAG ATT GAG 801 810	175 Asn Val Lys Gly AAT GTT AAG GGC 819	Thr Glu Asp	180 Ser Gly Thr TCA GGC ACC 837
Thr Val Leu Leu Pro ACA GTG CTG TTG CCC 846 855	190 Leu Val Ile Phe CTG GTC ATT TTC 864	Phe Glv Leu	195 Cys Leu Leu TGC CTT TTA 882
Ser Leu Leu Phe Ile TCC CTC CTC TTC ATT 891 900	205 Gly Leu Met Tyr GGT TTA ATG TAT 909	Arg Tyr Gln CGC TAC CAA	210 Arg Trp Lys CGG TGG AAG 927
215 Ser Lys Leu Tyr Ser TCC AAG CTC TAC TCC 936 945	220 Ile Val Cys Gly ATT GTT TGT GGG 954	Lys Ser Thr	225 Pro Glu Lys CCT GAA AAA 972
230 Glu Gly Glu Leu Glu GAG GGG GAG CTT GAA 981 990	235 Gly Thr Thr Thr GGA ACT ACT ACT 999	Lys Pro Leu	240 Ala Pro Asn GCC CCA AAC 1017

FIG. 1C

Pro S CCA A 1026	\GC	Phe TTC	AGT	Pro	ACT	CCA	GGC	250 Phe TTC	Thr	CCC	Thr	Leu CTG 10	GGC	Phe
Ser F AGT C 1071	:CC	Val GTG	260 Pro CCC 108	AGT	Ser	ACC	TTC	ACC	Ser	AGC	Ser TCC	Thr ACC	TAT	Thr
Pro G CCC G 1116	GT	GAC	TGT	CCC	AAC	$\mathbf{T}\mathbf{T}\mathbf{T}$	GCG	GCT	Pro	CGC	Arg AGA	Glu GAG 11	GTG	Ala GCA
Pro P CCA C 1161	CC	Tyr TAT	CAG	Gly GGG 70	GCT	GAC	Pro CCC 79	ATC	Leu CTT 118	GCG	Thr ACA	Ala GCC 119	CTC	Ala GCC
Ser A TCC G 1206	AC	CCC	305 Ile ATC 121	CCC	AAC	Pro CCC 122	CTT	310 Gln CAG	Lys AAG 123	TGG	Glu GAG	Asp GAC 124	AGC	Ala GCC
His Ly CAC A 1251	AG (CCA	320 Gln CAG 126	AGC	CTA	Asp GAC 126	ACT	GAT	GAC	CCC	Ala GCG	Thr ACG 128	CTG	Tyr TAC
Ala Va GCC G 1296	rg (Val	335 Glu GAG 130	Asn AAC	GTG	Pro CCC 131	CCG	340 Leu TTG	Arg CGC 132	TGG		GAAT 1332	<u>TC</u>	

FIG. 2

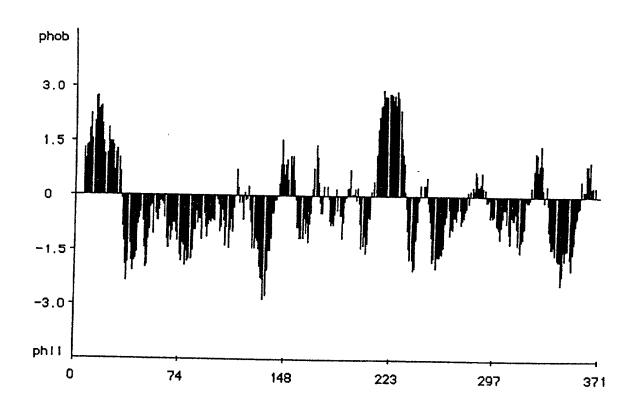


FIG. 3A

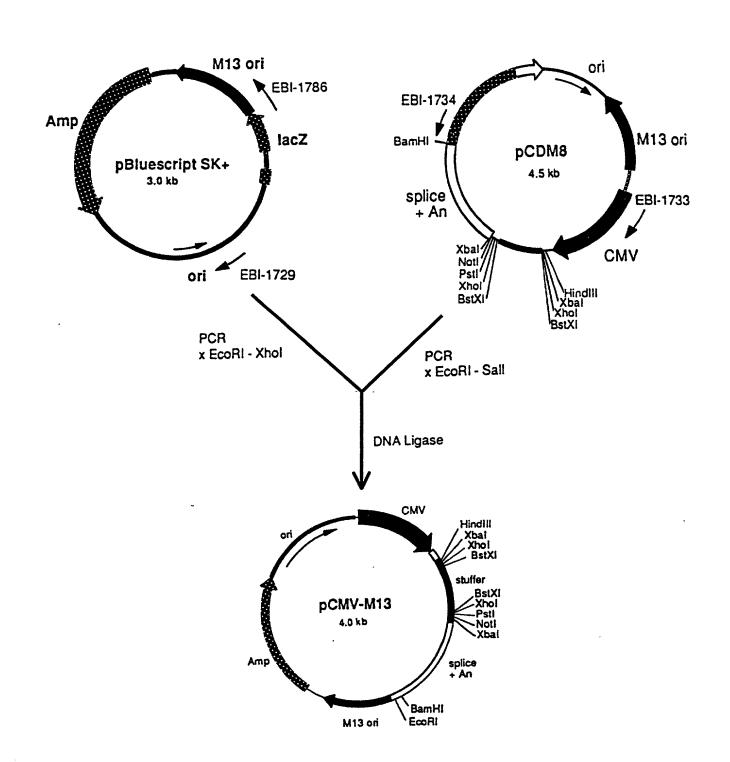
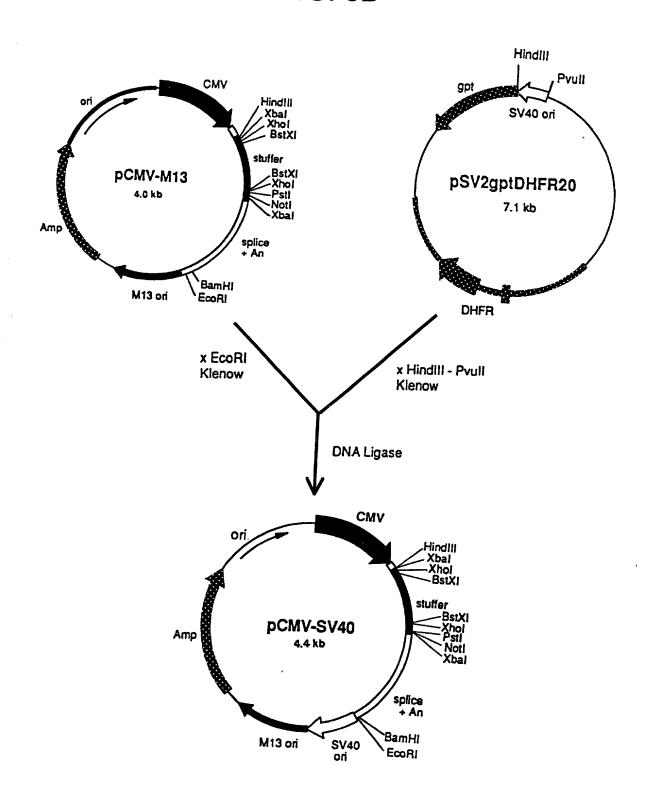
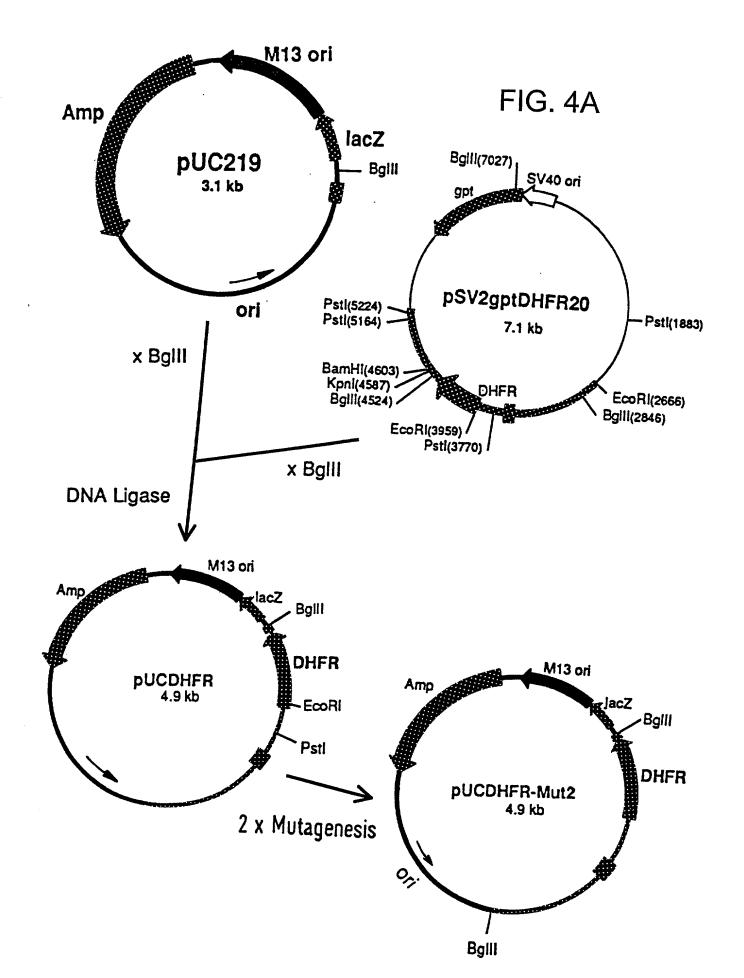
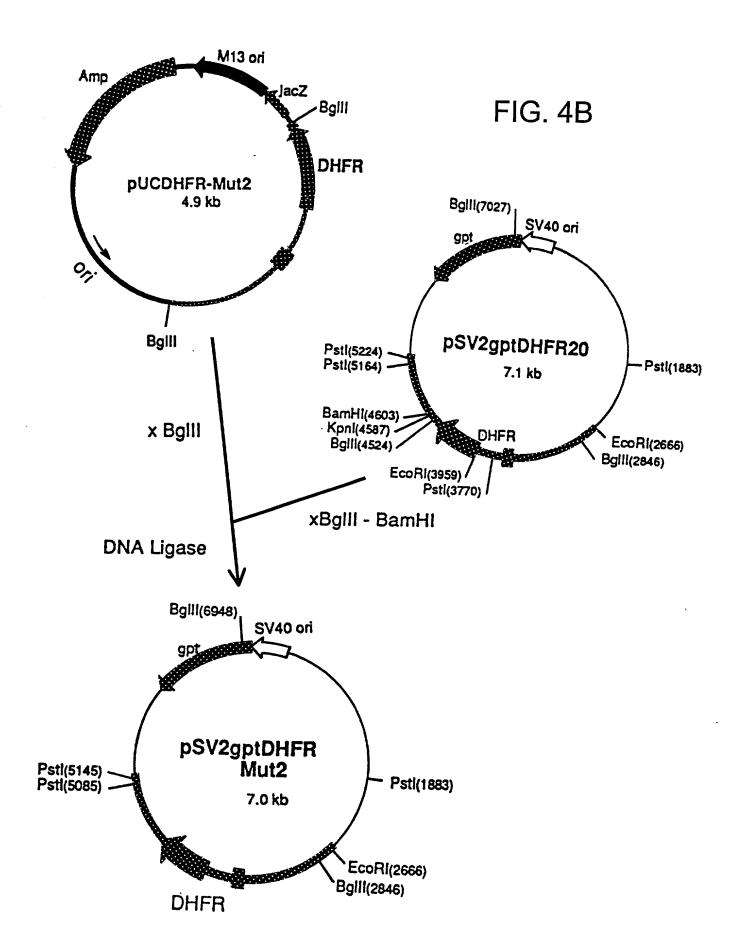
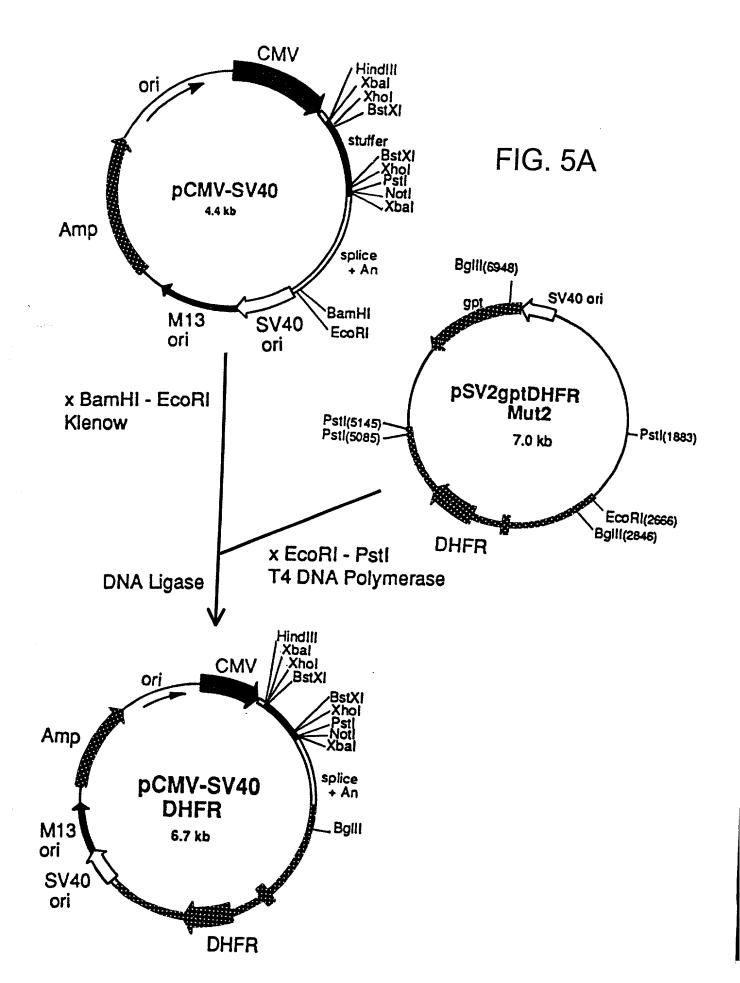


FIG. 3B









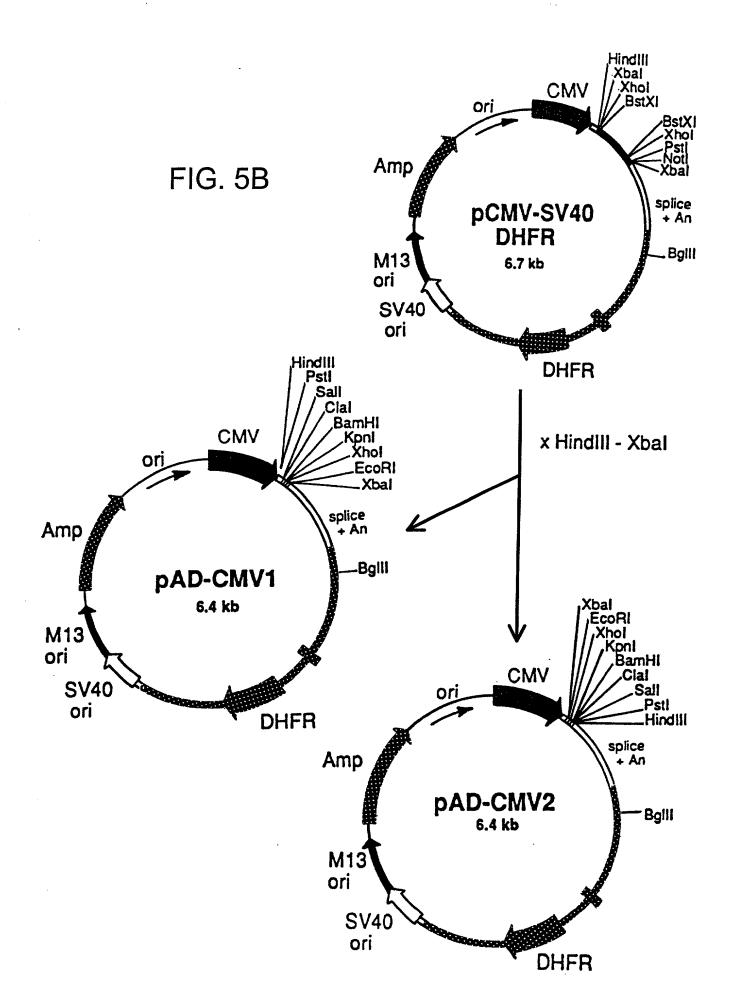


FIG. 6A

pAD-CMV1 : 6414 bp

	TCGACATTG.	A TTATTGACT	A GTTATTAAT	A GTAATCAAT	T ACGGGGTCA	T TAGTTCATAG	6
	CCCATATAT	G GAGTTCCGC	G TTACATAAC	I TACGGTAAA	T GGCCCGCCT	G GCTGACCGCC	12
	CAACGACCC	C CGCCCATTG	A CGTCAATAA	r gacgtatgt	T CCCATAGTA	A CGCCAATAGG	18
	GACTTTCCA!	T TGACGTCAAT	r gggtggagti	A TTTACGGTA	A ACTGCCCAC	T TGGCAGTACA	240
	TCAAGTGTA!	r catatgcca;	A GTACGCCCC	C TATTGACGT	C AATGACGGT	A AATGGCCCGC	300
	CTGGCATTA:	r gcccagtaca	TGACCTTATO	G GGACTTTCC	T ACTTGGCAG	ACATCTACGT	360
	ATTAGTCATO	C GCTATTACCA	TGGTGATGCG	GTTTTGGCA	G TACATCAAT	GGCGTGGATA	420
	GCGGTTTGAC	C TCACGGGGAT	TTCCAAGTCT	CCACCCCAT	I GACGTCAATO	GGAGTTTGTT	480
	TTGGCACCA	A AATCAACGGG	ACTTTCCAAA	ATGTCGTAAC	AACTCCGCCC	CATTGACGCA	540
	AATGGGCGGT	AGGCGTGTAC	GGTGGGAGGT	CTATATAAGO	AGAGCTCTC1	GGCTAACTAG	600
	AGAACCCACT	GCTTAACTGG	CTTATCGAAA	TTAATACGAC	CTCACTATAGG	GAGACCCAAG	660
	CTTCTGCAGG	TCGACATCGA	TGGATCCGGT	ACCTCGAGCG	GGAATTCTCT	AGAGGATCTT	720
	TGTGAAGGAA	CCTTACTTCT	GTGGTGTGAC	ATAATTGGAC	AAACTACCTA	CAGAGATTTA	780
	AAGCTCTAAG	GTAAATATAA	AATTTTTAAG	TGTATAATGT	GTTAAACTAC	TGATTCTAAT	840
	TGTTTGTGTA	TTTTAGATTC	CAACCTATGG	AACTGATGAA	TGGGAGCAGT	GGTGGAATGC	900
	CTTTAATGAG	GAAAACCTGT	TTTGCTCAGA	AGAAATGCCA	TCTAGTGATG	ATGAGGCTAC	960
	TGCTGACTCT	CAACATTCTA	CTCCTCCAAA	AAAGAAGAGA	AAGGTAGAAG	ACCCCAAGGA	1020
	CTTTCCTTCA	GAATTGCTAA	GTTTTTTGAG	TCATGCTGTG	TTTAGTAATA	GAACTCTTGC	1080
	TTGCTTTGCT	ATTTACACCA	CAAAGGAAAA	AGCTGCACTG	CTATACAAGA	AAATTATGGA	1140
	AAAATATTTG	ATGTATAGTG	CCTTGACTAG	AGATCATAAT	CAGCCATACC	ACATTTGTAG	1200
	AGGTTTTACT	TGCTTTAAAA	AACCTCCCAC	ACCTCCCCCT	GAACCTGAAA	CATAAAATGA	1260
•	ATGCAATTGT	TGTTGTTAAC	TTGTTTATTG	CAGCTTATAA	TGGTTACAAA	TAAAGCAATA	1320
(GCATCACAAA	TTTCACAAAT	AAAGCATTTT	TTTCACTGCA	TTCTAGTTGT	GGTTTGTCCA	1380
1	AACTCATCAA	TGTATCTTAT	CATGTCTGGA	TCAATTCTGA	GAAACTAGCC	TTAAAGACAG	1440

FIG. 6B

ACAGCTTTGT	TCTAGTCAGC	CAGGCAAGCA	TATGTAAATI	A AAGTTCCTCA	GGGAACTGAG	150
GTTAAAAGAT	GTATCCTGGA	CCTGCCAGAC	CTGGCCATTC	CACGTAAACAG	AAGATTCCGC	156
CTCAAGTTCC	GGTTAACAAC	AGGAGGCAAC	GAGATCTCA	ATCTATTACT	TCTAATCGGG	162
TAATTAAAAC	CTTTCAACTA	AAACACGGAC	CCACGGATGT	CACCCACTTT	TCCTTCCCCG	168
GCTCCGCCCT	TCTCAGTACT	CCCCACCATT	AGGCTCGCTA	CTCCACCTCC	ACTTCCGGGC	174
GCGACACCCA	CGTGCCCTCT	CCCACCCGAC	GCTAACCCCG	CCCCTGCCCG	TCTGACCCCG	1800
CCCACCACCT	Geccceccc	CGTTGAGGAC	AGAAGAAACC	CCGGGCAGCC	GCAGCCAAGG	1860
CGGACGGGTA	GACGCTGGGG	GCGCTGAGGA	GTCGTCCTCT	ACCTTCTCTG	CTGGCTCGGT	1920
GGGGGACGCG	GTGGATCTCA	GGCTTCCGGA	AGACTGGAAG	AACCGGCTCA	GAACCGCTTG	1980
TCTCCGCGGG	GCTTGGGCGG	CGGAAGAATG	GCCGCTAGAC	GCGGACTTGG	TGCGAGGCAT	2040
CGCAGGATGC	AGAAGAGCAA	GCCCGCCGGG	AGCGCGCGGC	TGTACTACCC	CGCGCCTGGA	2100
GCGGCCACGC	CGGACTGGGC	GGGGCCGGCC	TGGTGGAGGC	GGAGTCTGAC	CTCGTGGAGG	2160
CGGGGCCTCT	GATGTTCAAA	TAGGATGCTA	GGCTTGTTGA	GGCGTGGCCT	CCGATTCACA	2220
agtgggaagc	AGCGCCGGGC	GACTGCAATT	TCGCGCCAAA	CTTGGGGGAA	GCACAGCGTA	2280
CAGGCTGCCT	AGGTGATCGC	TGCTGCTGTC	ATGGTTCGAC	CGCTGAACTG	CATCGTCGCC	2340
ETGTCCCAGA	ATATGGGCAT	CGGCAAGAAC	GGAGACCTTC	CCTGGCCAAT	GCTCAGGTAC	2400
GGCTGGATT	GGGTTAGGGA	AACCGAGGCG	GTTCGCTGAA	TCGGGTCGAG	CACTTGGCGG	2460
AGACGCGCGG	GCCAACTACT	TAGGGACAGT	CATGAGGGGT	AGGCCCGCCG	GCTGCTGCCC	2520
TGCCCATGC	CCGCGGTGAT	CCCCATGCTG	TGCCAGCCTT	TGCCCAGAGG	CGCTCTAGCT	2580
GGAGCAAAG	TCCGGTCACT	GGGCAGCACC	ACCCCCGGA	CTTGCATGGG	TAGCCGCTGA	2640
SATGGAGCCT	GAGCACACGT	GACAGGGTCC	CTGTTAACGC	AGTGTTTCTC	TAACTTTCAG	2700
GAACGAGTTC	AAGTACTTCC	AAAGAATGAC	CACCACCTCC	TCAGTGGAAG	GTAAACAGAA	2760
CTGGTGATT	ATGGGCCGGA	AAACCTGGTT	CTCCATTCCT	GAGAAGAATC	GACCTTTAAA	2820
GACAGAATT	AATATAGTTC	TCAGTAGAGA	GCTCAAGGAA	CCACCACAAG	GAGCTCATTT	2880
CTTGCCAAA	AGTCTGGACC	ATGCCTTAAA	acttattgaa	CAACCAGAGT	TAGCAGATAA	2940
GTGGACATG	GTTTGGATAG	TTGGAGGCAG	TTCCGTTTAC	AAGGAAGCCA	TGAATCAGCC	3000

FIG. 6C

AGGCCATCTC	AGACTCTTTG	TGACAAGGAT	CATGCAGGA	A TTTGAAAGTO	ACACGTTCTT	3060
CCCAGAAATI	: GATTTGGAGA	AATATAAACI	TCTCCCAGA	G TACCCAGGGG	TCCTTTCTGA	3120
AGTCCAGGAG	GAAAAAGGCA	TCAAGTATAA	ATTTGAAGT	C TATGAGAAGA	AAGGCTAACA	3180
Gaaagatact	TGCTGATTGA	CTTCAAGTTC	: TACTGCTTTC	CTCCTAAAA1	TATGCATTTT	3240
TACAAGACCA	. TGGGACTTGT	GTTGGCTTTA	GATCCTGTGC	C ATCCTGGGCA	ACTGTTGTAC	3300
TCTAAGCCAC	TCCCCAAAGT	CATGCCCCAG	CCCCTGTATA	A ATTCTAAACA	ATTAGAATTA	3360
TTTTCATTT	CATTAGTCTA	ACCAGGTTAT	TATAAATAT	A CTTTAAGAAA	CACCATTTGC	3420
CATAAAGTTC	TCAATGCCCC	TCCCATGCAG	CCTCAAGTG	G CTCCCCAGCA	GATGCATAGG	3480
GTAGTGTGTG	TACAAGAGAC	CCCAAAGACA	TAGAGCCCCI	r GAGAGCATGA	GCTGATATGG	3540
GGGCTCATAG	AGATAGGAGC	TAGATGAATA	AGTACAAAGG	GCAGAAATGG	GTTTTAACCA	3600
GCAGAGCTAG	AACTCAGACT	TTAAAGAAAA	TTAGATCAAA	GTAGAGACTG	AATTATTCTG	3660
CACATCAGAC	TCTGAGCAGA	GTTCTGTTCA	CTCAGACAGA	AAATGGGTAA	ATTGAGAGCT	3720
GGCTCCATTG	TGCTCCTTAG	AGATGGGAGC	AGGTGGAGGA	TTATATAAGG	TCTGGAACAT	3780
TTAACTTCTC	CGTTTCTCAT	CTTCAGTGAG	ATTCCAAGGG	ATACTACAAT	TCTGTGGAAT	3840
GTGTGTCAGT	TAGGGTGTGG	AAAGTCCCCA	GGCTCCCCAG	CAGGCAGAAG	TATGCAAAGC	3900
ATGCATCTCA	ATTAGTCAGC	AACCAGGTGT	GGAAAGTCCC	CAGGCTCCCC	AGCAGGCAGA	3960
AGTATGCAAA	GCATGCATCT	CAATTAGTCA	GCAACCATAG	TCCCGCCCCT	AACTCCGCCC	4020
ATCCCGCCCC	TAACTCCGCC	CAGTTCCGCC	CATTCTCCGC	CCCATGGCTG	ACTAATTTTT	4080
TTTATTTATG	CAGAGGCCGA	GGCGCCTCTG	AGCTATTCCA	GAAGTAGTGA	GGAGGCTTTT	4140
TTGGAGGCCT	AGGCTTTTGC	AAAAAAGCTA	ATTCAGCCTG	AATGGCGAAT	GGGACGCGCC	4200
CTGTAGCGGC	GCATTAAGCG	CGGCGGGTGT	GGTGGTTACG	CGCAGCGTGA	CCGCTACACT	4260
TGCCAGCGCC	CTAGCGCCCG.	CTCCTTTCGC	TTTCTTCCCT	TCCTTTCTCG	CCACGTTCGC	4320
CGGCTTTCCC	CGTCAAGCTC	TAAATCGGGG	GCTCCCTTTA	GGGTTCCGAT	TTAGTGCTTT	4380
ACGGCACCTC	GACCCCAAAA	ACTTGATTAG	GGTGATGGTT	CACGTAGTGG	GCCATCGCCC	4440
TGATAGACGG	TTTTTCGCCC	TTTGACGTTG	GAGTCCACGT	TCTTTAATAG	TGGACTCTTG	4500
TTCCAAACTG	GAACAACACT	CAACCCTATC	TCGGTCTATT	CTTTTGATTT	ATAAGGGATT	4560

FIG. 6D

			- Oncolonii	I MCMMMI	1 IAACGCGAAT	4620
TTTAACAAA	A TATTAACGT	T TACAATTTC	A GGTGGCACT	T TTCGGGGAA	A TGTGCGCGGA	4680
ACCCCTATT	T GTTTATTT	T CTAAATACA	r TCAAATATG	T ATCCGCTCAS	r gagacaataa	4740
CCCTGATAA	A TGCTTCAAT.	A ATATTGAAA	A AGGAAGAGT	A TGAGTATTC	A ACATTTCCGT	4800
GTCGCCCTT	A TTCCCTTTT	I IGCGGCATTI	TGCCTTCCT	TTTTTGCTC	A CCCAGAAACG	4860
CTGGTGAAA	G TAAAAGATG	C TGAAGATCAG	TTGGGTGCAC	GAGTGGGTT	A CATCGAACTG	4920
GATCTCAAC	A GCGGTAAGA	r ccttgagagt	TTTCGCCCCG	AAGAACGTT1	* TCCAATGATG	4980
AGCACTTTT	A AAGTTCTGC	r atgtggcgcg	GTATTATCCC	GTATTGACGC	CGGGCAAGAG	5040
CAACTCGGT	C GCCGCATAC	A CTATTCTCAG	AATGACTTGG	TTGAGTACTC	ACCAGTCACA	5100
GAAAAGCAT	C TTACGGATGO	G CATGACAGTA	AGAGAATTAT	GCAGTGCTGC	CATAACCATG	5160
AGTGATAAC	A CTGCGGCCA	CTTACTTCTG	ACAACGATCG	GAGGACCGAA	GGAGCTAACC	5220
GCTTTTTTG	C ACAACATGGG	GGATCATGTA	ACTCGCCTTG	ATCGTTGGGA	ACCGGAGCTG	5280
AATGAAGCC	A TACCAAACGA	CGAGCGTGAC	ACCACGATGC	CTGTAGCAAT	GGCAACAACG	5340
TTGCGCAAAC	TATTAACTGG	CGAACTACTT	ACTCTAGCTT	CCCGGCAACA	ATTAATAGAC	5400
TGGATGGAGG	CGGATAAAGT	TGCAGGACCA	CTTCTGCGCT	CGGCCCTTCC	GGCTGGCTGG	5460
TTTATTGCTG	ATAAATCTGG	AGCCGGTGAG	CGTGGGTCTC	GCGGTATCAT	TGCAGCACTG	5520
GGGCCAGATG	GTAAGCCCTC	CCGTATCGTA	GTTATCTACA	CGACGGGGAG	TCAGGCAACT	5580
ATGGATGAAC	GAAATAGACA	GATCGCTGAG	ATAGGTGCCT	CACTGATTAA	GCATTGGTAA	5640
CTGTCAGACC	AAGTTTACTC	ATATATACTT	TAGATTGATT	TAAAACTTCA	TTTTAATTT	5700
AAAAGGATCT	AGGTGAAGAT	CCTTTTTGAT	AATCTCATGA	CCAAAATCCC	TTAACGTGAG	5760
TTTTCGTTCC	ACTGAGCGTC	AGACCCCGTA	GAAAAGATCA	AAGGATCTTC	TTGAGATCCT	5820
TTTTTCTGC	GCGTAATCTG	CTGCTTGCAA	ACAAAAAAAC	CACCGCTACC	AGCGGTGGTT	5880
rgtttgccgg	ATCAAGAGCT	ACCAACTCTT	TTTCCGAAGG	TAACTGGCTT	CAGCAGAGCG	5940
CAGATACCAA	ATACTGTCCT	TCTAGTGTAG	CCGTAGTTAG	GCCACCACTT	CAAGAACTCT	6000
GTAGCACCGC	CTACATACCT	CGCTCTGCTA .	ATCCTGTTAC	CAGTGGCTGC	TGCCAGTGGC	6060
SATAAGTCGT	GTCTTACCGG	GTTGGACTCA	AGACGATAGT	TACCGGATAA	GGCGCAGCGG	6120

FIG. 6E

TCGGGCTGAA	CGGGGGGTTC	GTGCACACAG	CCCAGCTTGG	AGCGAACGAC	CTACACCGAA	6180
CTGAGATACC	TACAGCGTGA	GCATTGAGAA	AGCGCCACGC	TTCCCGAAGG	GAGAAAGGCG	6240
GACAGGTATC	CGGTAAGCGG	CAGGGTCGGA	ACAGGAGAGC	GCACGAGGGA	GCTTCCAGGG	6300
GGAAACGCCT	GGTATCTTTA	TAGTCCTGTC	GGGTTTCGCC	ACCTCTGACT	TGAGCGTCGA	6360
TTTTTGTGAT	GCTCGTCAGG	GGGGCGGAGC	CTATGGAAAA	ACGCCAGCAA	CGCC	

FIG. 7A

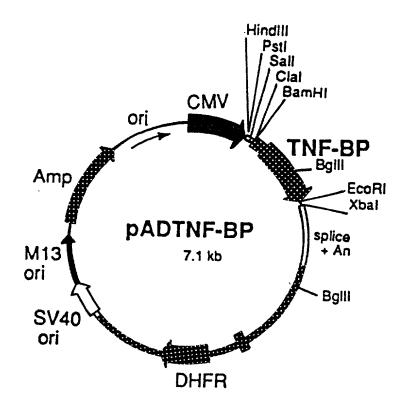


FIG. 7B

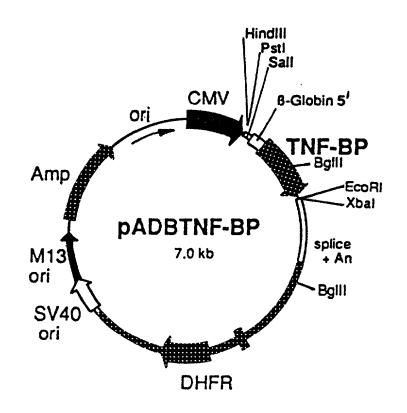


FIG. 7C

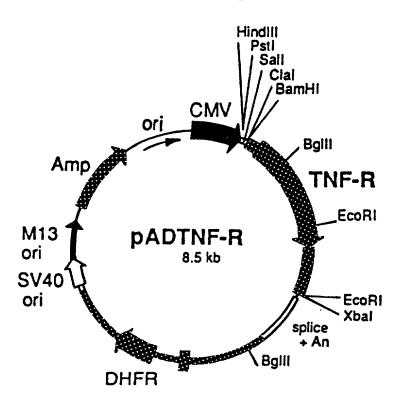


FIG. 7D

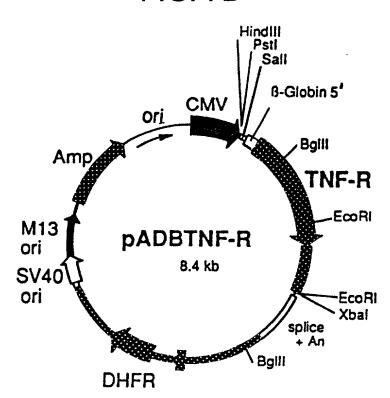


FIG. 8A

raTNF-R

GAATTCCTTT TCTCCGAGTT TTCTGAACTC TGGCTCATGA TCGGGCTTAC TGGATACGAG AATCCTGGAG, GACCGTACCC TGATTTCCAT CTACCTCTGA CTTTGAGCCT TTCTAACCCG 120 GGGCTCACGC TGCCAACACC CGGGCCACCT GGTCCGATCG TCTTACTTCA TTCACCAGCG 180 TTGCCAATTG CTGCCCTGTC CCCAGCCCCA ATGGGGGAGT GAGAGAGGCC ACTGCCGGCC 240 GGAC 245/1 275/11 ATG GGT CTC CCC ATC GTG CCT GGC CTG CTG CTG CTG GTG CTC CTG GCT CTG CTG	
GGGCTCACGC TGCCAACACC CGGGCCACCT GGTCCGATCG TCTTACTTCA TTCACCAGCG 180 TTGCCAATTG CTGCCCTGTC CCCAGCCCCA ATGGGGGAGT GAGAGAGGCC ACTGCCGGCC 240 GGAC 245/1 275/11 ATG GGT CTC CCC ATC GTG CCT GGC CTG CTG CTG GTG CTC CTG GCT CTG CTG	
TTGCCAATTG CTGCCCTGTC CCCAGCCCCA ATGGGGGAGT GAGAGAGGCC ACTGCCGGCC 240 GGAC 245/1 275/11 ATG GGT CTC CCC ATC GTG CCT GGC CTG CTG CTG TCA CTG GTG CTC CTG GCT CTG CTG	
GGAC 245/1 275/11 ATG GGT CTC CCC ATC GTG CCT GGC CTG CTG CTG TCA CTG GTG CTC CTG GCT CTG CTG	
245/1 275/11 ATG GGT CTC CCC ATC GTG CCT GGC CTG CTG CTG TCA CTG GTG CTC CTG GCT CTG CTG	
ATG GGT CTC CCC ATC GTG CCT GGC CTG CTG CTG TCA CTG GTG CTC CTG GCT CTG CTG	
001 010 000 010 010 010 010 10 010 010	177
Met Gly Leu Pro Ile Val Pro Gly Leu Leu Ser Leu Val Leu Leu Ala Leu Leu	Mor
305/21 335/31	1160
GGG ATA CAC CCA TCA GGG GTC ACC GGA CTG GTT CCT TCT CTT GGT GAC CGG GAG AAG	AGG
Gly Ile His Pro Ser Gly Val Thr Gly Leu Val Pro Ser Leu Gly Asp Arg Glu Lys	Arg
365/41 395/51	_
GAT AAT TTG TGT CCC CAG GGA AAG TAT GCC CAT CCA AAG AAT AAT TCC ATC TGC TGC	ACC
Asp Asn Leu Cys Pro Gln Gly Lys Tyr Ala His Pro Lys Asn Asn Ser Ile Cys Cys 425/61 455/71	Thr
425/61 455/71 AAG TGC CAC AAA GGA ACC TAC TTG GTG AGT GAC TGT CCA AGC CCA GGG CAG GAA ACA	~~~
Lys Cys His Lys Gly Thr Tyr Leu Val Ser Asp Cys Pro Ser Pro Gly Gln Glu Thr	UTC
485/81 515/91	val
TGC GAG CTC TCT CAT AAA GGC ACC TTT ACA GCT TCG CAG AAC CAC GTC AGA CAG TGT	CTC
Cys Glu Leu Ser His Lys Gly Thr Phe Thr Ala Ser Gln Asn His Val Arg Gln Cys	Leu
545/101 575/111	
AGT TGC AAG ACA TGT CGG AAA GAA ATG TTC CAG GTG GAG ATT TCT CCT TGC AAA GCT	GAC
Ser Cys Lys Thr Cys Arg Lys Glu Met Phe Gln Val Glu Ile Ser Pro Cys Lys Ala 605/121 635/131	Asp
ATG GAC ACC GTG TGT GGC TGC AAG AAG AAC CAA TTC CAG CGC TAC CTG AGT GAG ACG	~~ ~
Met Asp Thr Val Cys Gly Cys Lys Asn Gln Phe Gln Arg Tyr Leu Ser Glu Thr	
665/141 695/151	1172
TTC CAG TGT GTG GAC TGC AGC CCC TGC TTC AAT GGC ACC GTG ACA ATC CCC TGT AAG	GAG
Phe Gln Cys Val Asp Cys Ser Pro Cys Phe Asn Gly Thr Val Thr Ile Pro Cys Lys	Glu
725/161 755/171	
AAA CAG AAC ACC GTG TGT AAC TGC CAC GCA GGA TTC TTT CTA AGC GGA AAT GAG TGC	ACC
Lys Gln Asn Thr Val Cys Asn Cys His Ala Gly Phe Phe Leu Ser Gly Asn Glu Cys 785/181 815/191	rnr
CCT TGC AGC CAC TGC AAG AAA AAT CAG GAA TGT ATG AAG CTG TGC CTA CCT CCA GTT (SC M
Pro Cys Ser His Cys Lys Lys Asn Gln Glu Cys Met Lys Leu Cys Leu Pro Pro Val	Ala
845/201 875/211	
AAT GTC ACA AAC CCC CAG GAC TCA GGT ACT GCC GTG CTG TTG CCT CTG GTT ATC TTC	CTA
Asn Val Thr Asn Pro Gln Asp Ser Gly Thr Ala Val Leu Leu Pro Leu Val Ile Phe	Leu
905/221 935/231 GGT CTT TGC CTT TTA TTC TTT ATC TGC ATC AGT CTA CTG TGC CGA TAT CCC CAG TGG	
Gly Leu Cys Leu Leu Phe Phe Ile Cys Ile Ser Leu Leu Cys Arg Tyr Pro Gln Trp ;	1GG
965/241 995/251	irg
CCC AGG GTC TAC TCC ATC ATT TGT AGG GAT TCA GCT CCT GTC AAA GAG GTG GAG GGT (SAA
Pro Arg Val Tyr Ser Ile Ile Cys Arg Asp Ser Ala Pro Val Lys Glu Val Glu Gly (ilu
1025/261 1055/271	
GGA ATT GTT ACT AAG CCC CTA ACT CCA GCC TCT ATC CCA GCC TTC AGC CCC AAC CCC	;GC
Gly Ile Val Thr Lys Pro Leu Thr Pro Ala Ser Ile Pro Ala Phe Ser Pro Asn Pro	ily
1085/281 1115/291 TTC AAC CCC ACT CTG GGC TTC AGC ACC CCA CGC TTC AGT CAT CCT GTC TCC AGT I	
Phe Asn Pro Thr Leu Gly Phe Ser Thr Thr Pro Arg Phe Ser His Pro Val Ser Ser T	icc
	.nr
11/5/511	
	AG
CCC ATC AGC CCC GTC TTC GGT CCT AGT AAC TGG CAC AAC TTC GTG CCA CCT GTA AGA GPro Ile Ser Pro Val Phe Gly Pro Ser Asn Trp His Asn Phe Val Pro Pro Val Arg G	AG 11u
CCC ATC AGC CCC GTC TTC GGT CCT AGT AAC TGG CAC AAC TTC GTG CCA CCT GTA AGA G Pro Ile Ser Pro Val Phe Gly Pro Ser Asn Trp His Asn Phe Val Pro Pro Val Arg G 1205/321 1235/331	ilu
CCC ATC AGC CCC GTC TTC GGT CCT AGT AAC TGG CAC AAC TTC GTG CCA CCT GTA AGA G Pro Ile Ser Pro Val Phe Gly Pro Ser Asn Trp His Asn Phe Val Pro Pro Val Arg	Slu ATC

FIG. 8B

1265/341 1295/351	
CCC GCC CCT GTT CGG AAA TGG GAA GAC GTC GTC GCG GCC CAG CCA CAA CG	
Pro Ala Pro Val Arg Lys Trp Glu Asp Val Val Ala Ala Gln Pro Gln Arg	Leu Asp Thr
1325/361 1355/371	
GCA GAC CCT GCG ATG CTG TAT GCT GTG GTG GAT GGC GTG CCT CCG ACA CGC	
Ala Asp Pro Ala Met Leu Tyr Ala Val Val Asp Gly Val Pro Pro Thr Arg	Trp Lys Glu
1385/381 1415/391	
TTC ATG CGG CTC CTG GGG CTG AGC GAG CAC GAG ATC GAG CGG CTG GAG CTG	
Phe Met Arg Leu Leu Gly Leu Ser Glu His Glu Ile Glu Arg Leu Glu Leu	Gln Asn Gly
1445/401 1475/411 1475/411 1475/411	
CGT TGC CTC CGC GAG GCT CAT TAC AGC ATG CTG GAA GCC TGG CGG CGC CGC	
Arg Cys Leu Arg Glu Ala His Tyr Ser Met Leu Glu Ala Trp Arg Arg 1505/421 1535/431	Inr Pro Arg
CAC GAG GCC ACG CTG GAC GTA GTG GGC CGC GTG CTT TGC GAC ATG AAC CTG	COT CCC TCC
His Glu Ala Thr Leu Asp Val Val Gly Arg Val Leu Cys Asp Met Asn Leu	
1565/441 1595/451	. mrg dry cys
CTG GAG AAC ATC CGC GAG ACT CTA GAA AGC CCT GCC CAC TCG TCC ACG ACC	CAC CTC CCG
Leu Glu Asn Ile Arg Glu Thr Leu Glu Ser Pro Ala His Ser Ser Thr Thr	
1625/461	
CGA TAA	
Arg Stop	
GGCCACACCC CCACCTCAGG AACGGGACTC GAAGGACCAT CCTGCTAGAT	1680
GCCCTGCTTC CCTGTGAACC TCCTCTTTGG TCCTCTAGGG GGCAGGCTCG ATCTGGCAGG	1740
CTCGATCTGG CAGCCACTTC CTTGGTGCTA CCGACTTGGT GTACATAGCT TTTCCCAGCT	1800
GCCGAGGACA GCCTGTGCCA GCCACTTGTG CATGGCAGGG AAGTGTGCCA TCTGCTCCCA	1860
GACAGCTGAG GGTGCCAAAA GCCAGGAGAG GTGATTGTGG AGAAAAAGCA CAATCTATCT	1920
GATACCCACT TGGGATGCAA GGACCCAAAC AAAGCTTCTC AGGGCCTCCT CAGTTGATTT	1980
CTGGGCCCTT TTCACAGTAG ATAAAACAGT CTTTGTATTG ATTATATCAC ACTAATGGAT GAACGGTTGA ACTCCCTAAG GTAGGGGCAA GCACAGAACA GTGGGGTCTC CAGCTGGAGC	2040 2100
CCCCGACTCT TGTAAATACA CTAAAAATCT AAAAGTGAAA AAAAAAAAAA	2100
AAAAAAGGAA TTC	2100

FIG. 9A

60

GAATTCTCTG, GACTGAGGCT CCAGTTCTGG CCTTTGGGGT TCAAGATCAC TGGGACCAGG

huTNF-R

CCGTGAT	CTC	TAT	GCCC	GAG '	TCTC	AACC	CT C	AACT	GTCA	ccc	CAAG	GCAC	TTG	GGAC	GTC		20	
CTGGACA																	80	
AATGGGG																	•	
213/1									243	/11	•							
ATG GGC	CTC	TCC	ACC	GTO	G CC3	' GAC	CTC	G CT	G CTG	CC	A CTO	GTG	CTO	CTO	G GAC	CTO	፡ ጥጥር	e carc
Met Gly	Lev	ı Sez	Thi	r Val	L Pro	Ast	Let	ı Lei	u Lev	Pro	Lei	ı Val	. Le	ı Lei	ı Gli	Lei	1 7.61	1 17-3
273/21						•			303	/31							א אפו	. val
GGA ATA	TAC	: ccc	TC	A GGO	GTI	' ATT	' GGZ	A CT	G GTC	CCI	CAC	CTA	GGG	GA(- AGC	: GAG	2 23/	
Gly Ile	Tyr	Pro	Ser	Gly	/ Val	İle	Gly	/ Le	u Val	Pro	His	Lev	Gly	z Ast	o Arc	r Glu	Tree	ACA
333/41	-		_		,				363	/51						, 611	ı nya	Arg
GAT AGT	GTG	TGI	CCC	CA	A GGA	AAA	TAT	T AT			CAZ	דבב ב	י אם	י ייירי	מית מ	י יייני	י תורים	
Asp Ser	Val	. Cys	Pro	Glr	Glv	Lvs	Tvi	Ile	e His	Pro	Glr	. Asn	Asr	Sei	r Tle	. 100		Mb.
393/61		-			2			,	423	/71						. Cys	, cys	inr
AAG TGC	CAC	: AAA	A GGA	A ACC	TAC	TTO	TAC	: AA	r GAC	TGT	CCZ	. GGC	CCC	e cc	2 (2)	C 3 7	1 100	
Lys Cys	His	Lvs	Glv	Thi	Tvr	Lev	Tvi	Ası	n Asp	Cvs	Pro	. Glu	Pro	, GI	, Gla	yes avi	The The	GAC
453/81							1-		483	/91		, 013		013	, GTI	. wat) IIII	Asp
TGC AGG	GAG	TGT	GAG	AGC	GGC	тсс	: ጥጥር	. ACC			GAZ	ממ ו	C X C	· (m/	מסמי		moo	
Cys Arg	Glu	Cvs	Glu	Ser	Gly	Ser	Phe	Th	r Ala	Ser	Gli	Asn	His	T.A:	. Acc	. UAC	760	CTC
513/101		4 -							543	/111				, 116	a nry	nrs	, cys	ьеп
AGC TGC		. AAA	TGC	CGZ	AAC	CAD:	<u> እ</u> ጥር		מנט יו מנט יו	GTG		מידע ב	n dirCi	י ייי	, mcc		- Cm	
Ser Cys	Ser	Lvs	Cvs	Arc	T.VS	Gli	Met	GI	z Gln	Val	Gli	Tle		- 50		Mb-	GIG	GAC
573/121		-1-	2 -		, –, -	V 10			603	/131	. 010		261	. 361	. Cys	THE	val	Asp
CGG GAC	ACC	GTG	TGT	GGC	TGC	AGG	. AAG	: 220	CAG	י תבר	. רפנ	יים:	ጥልጥ	mee	3 A C m	~>>		
Arg Asp	Thr	Val	Cvs	Glu	Cvs	Ara	Tare	Acr	Gin	Tur	Dro	. Hie	T.V.T	700	NG1	CAA	AAC	CTT
633/141			. 0,0	, u-j	0,10	9	273	71.51		/151		1115	1 A 7	. 115	, ser	GIU	AST	Leu
TTC CAG	TGC	TTC	. AAT	י יייכר	. AGC	ርሞር	ጥርር		היים היים בי	. ccc	300	GTG	CNO	Cmc		maa		
Phe Gln	Cvs	Phe	Asn	Cve	Ser	T.A11	Cve	Ten	, yen	Glar	mh-	1723	UAC	. C10	. 100	TGC	CAG	GAG
693/161	U, U			. Oyu	Jer	Бец	Cys	TEC	723	/171	1111	Val	птэ	neu	ser	Cys	GIn	GIu
AAA CAG	AAC	ACC	GTG	TGC	ACC	ጥርር	Cam	GCN	CGT	ጥጥ ጉነተ	ut ett ett	CTA	ארא	C 3 3	330	~~~		
Lys Gln	Asn	Thr	Val	Cvs	Thr	Cue	Hie	al a	Glar	Dha	111	TON	AGA	CAA	AAC	GAG	TGT	GTC
753/181				0,0		Cys	1113	N.T.O	723	/191	FIIC	neu	Arg	GIU	Asn	GIN	Cys	Val
TCC TGT	AGT	AAC	тст	AAG	מממ	ACC	CTG	GAG	יליט. ישר בי	700	220	mmc	mcc	083	000	~~~		
Ser Cys	Ser	Asn	Cvs	Lvs	Lvs	Ser	T.eu	Glu	Cue	Thr	Tare	Leu	760	LON	. CCC	CAG	ATT	GAG
813/201			-1-	-30	-10			014		/211	Lys	nea	Cys	neu	PIO	GID	TTE	GIU
AAT GTT	AAG	GGC	ACT	GAG	GAC	ጥሮል	GGC	300			CTC	መጥር	000	CBC	CBC	3 mm		
Asn Val	Lvs	Glv	Thr	Glu	Asp	Ser	Glv	Thr	Thr	Val	LAN	Tay	Bro	Tan	GTC	ATT	TTC	TTT
873/221		2			· · · · ·		011		903	/231	nea	neu	PIO	nen	val	TTE	rne	Pue
GGT CTT	TGC	CTT	TTA	TCC	CTC	CTC	ጥጥር	<u>አ</u> ጥጥ			እጥር	m v m	000	m 2 0	~~~			
Gly Leu	Cvs	Leu	Leu	Ser	T.e.11	Tan	Dha	Tip	Glaz	LAN	Mot	T	7	TAC	CAA	CGG	TGG	AAG
933/241	-1-					200	1116	110	963/	7251	Mec	TYL	Arg	ıyı	GIN	Arg	Trp	rys
TCC AAG	CTC	TAC	TCC	ል ጥጥ	CTT	ጥርጥ	ccc	222	かつこう	201	CCT	CAR	***	C10	000	~~~	^	
Ser Lys	Leu	Tvr	Ser	Tle	Val	Cve	GI w	T.ve	Ser	Th~	Dra	GAA	Tue	Clu	Class	GAG	CTT	GAA
993/261		-3-				Cy3	CLY	БyЗ	1023	/271	FLO	GIU	гу	GIU	GIY	GIU	ren	GIU
GGA ACT	ACT!	ACT	AAG	CCC	CTG	GCC	CCB	220	CCN	7 C C	mm⁄	3 CM	200					
Gly The	730±	Th-	Luc	Dro.	Tou	315	CUA	AAC AAC	CCA	AGC	TIC	AGT	CCC	ACT	CCA	GGC	TTC	ACC
Gly Thr 1053/281	1111	111L	nys	FIO	neu	WIG	PIO	ASII				ser	PIO	Thr	Pro	Gly	Phe	Thr
		ccc	mmc	3 Cm	000	CEC	000		1083	1291								
CCC ACC	7	C3	110	VGT	200	GIG	CCC	AGT	TCC	ACC	TTC	ACC	TCC	AGC	TCC	ACC	TAT	ACC
Pro Thr 1113/301	₩#U	стЪ	File	oer	PIO	val	PIO	ser				Thr	Ser	Ser	Ser	Thr	Tyr	Thr
		m~=	000		m=-	000			1143	/311								
CCC GGT	GAC	TGT	CCC	AAC	TTT	GCG	GCT	ccc	CGC	AGA	GAG	GTG	GCA	CCA	CCC	TAT	CAG	GGG
Pro Gly	asp	Cys	PIO	Asn	Pne	Ala	Ala	Pro	Arg	Arg	Glu	Val	Ala	Pro	Pro	Tyr	Gln	Gly
11/3/321									1203	/331								
GCT GAC		ATC	CTT	GCG	ACA	GCC	CTC	GCC	TCC	GAC	CCC	ATC	CCC	AAC	CCC	CTT	CAG	AAG
Ala Asp I	rro	тте	ren	Ala	Thr	Ala	Leu	Ala	Ser	Asp	Pro	Ile	Pro	Asn	Pro	Leu	Gln	Lys
																		_

FIG. 9B

1233/341 1263/351	
TGG GAG GAC AGC GCC CAC AAG CCA CAG AGC CTA GAC ACT GAT GAC CCC GCG	ACG CTG TAC
Trp Glu Asp Ser Ala His Lys Pro Gln Ser Leu Asp Thr Asp Asp Pro Ala	
1293/361 1323/371	4
GCC GTG GTG GAG AAC GTG CCC CCG TTG CGC TGG AAG GAA TTC GTG CGG CGC	CTA GGG CTG
Ala Val Val Glu Asn Val Pro Pro Leu Arg Trp Lys Glu Phe Val Arg Arg	Leu Gly Leu
1353/381 1383/391	-
AGC GAC CAC GAG ATC GAT CGG CTG GAG CTG CAG AAC GGG CGC TGC CTG CGC	
Ser Asp His Glu Ile Asp Arg Leu Glu Leu Gln Asn Gly Arg Cys Leu Arg	Glu Ala Gln
1413/401 1443/411	
TAC AGC ATG CTG GCG ACC TGG AGG CGG CGC ACG CCG CGG CGC GAG GCC ACG	
Tyr Ser Met Leu Ala Thr Trp Arg Arg Thr Pro Arg Arg Glu Ala Thr	Leu Glu Leu
1473/421 1503/431	
CTG GGA CGC GTG CTC CGC GAC ATG GAC CTG CTG GGC TGC CTG GAG GAC ATC	GAG GAG GCG
Leu Gly Arg Val Leu Arg Asp Met Asp Leu Leu Gly Cys Leu Glu Asp Ile	Glu Glu Ala
1533/441 1563/451	
CTT TGC GGC CCC GCC CTC CCG CCC GCG CCC AGT CTT CTC AGA TGA	1580
Leu Cys Gly Pro Ala Ala Leu Pro Pro Ala Pro Ser Leu Leu Arg Stop	•
CCC#CCCCCC	
GGCTGCGCCC CTGCGGGCAG CTCTAAGGAC CGTCCTGCGA 1620	
GATCGCCTTC CAACCCCACT TTTTTCTGGA AAGGAGGGGT CCTGCAGGGG CAAGCAGGAG	1680
CTAGCAGCCG CCTACTTGGT GCTAACCCCT CGATGTACAT AGCTTTTCTC AGCTGCCTGC GCGCCGCCGA CAGTCAGCGC TGTGCGCGCG GAGAGAGGTG CGCCGTGGGC TCAAGAGCCT	1740
GAGTGGGTGG TTTGCGAGGA TGAGGGGACGC TATGCCTCAT GCCCGTTTTG GGTGTCCTCA	1800 1860
CCAGCAAGGC TGCTCGGGGG CCCCTGGTTC GTCCCTGAGC CTTTTTCACA GTGCATAAGC	1920
AGTITITIT GITTITGITI IGTITITGITI IGTITITAAA ICAATCAIGI TACACTAATA	1980
GAAACTTGGC ACTCCTGTGC CCTCTGCCTG GACAAGCACA TAGCAAGCTG AACTGTCCTA	2040
AGGCAGGGGC GAGCACGGAA CAATGGGGCC TTCAGCTGGA GCTGTGGACT TTTGTACATA	2100
CACTAAAATT CTGAAGTTAA AAAAAAAAA AAAAGGAATT C	2141
	~ . T. d.

